

Monday, April 6, 2009

BREAKFAST AND PRESENTATION 8:00 a.m. - 9:00 a.m.							
MONDAY	8:00 AM TO 9:00 AM						
		Session MON 1A <i>Automated/Real-Time Systems for Project Control</i>	Session MON 1B <i>Operations, Productivity, and Workforce Issues</i>	Session MON 1C <i>Organizational Leadership and Management</i>	Session MON 1D <i>Infrastructure Management and Disaster Management</i>	Session MON 1E <i>Procurement and Contracting</i>	Session MON 1F <i>Sustainable Construction and Facilities</i>
		Feniosky Pena-Mora University of Illinois	Paul Goodrum University of Kentucky	Raymond Levitt Stanford University	Khaled El-Rayes University of Illinois	Aminah Robinson Fayek University of Alberta	Samuel Ariaratnam Arizona State University
	9:00 AM TO 10:00 AM	Pro-Active Real-Time Personnel Warning System (Fullerton, Allread, and Teizer)	Construction Industry Productivity: Omitted Quality Characteristics in Construction Price Indices (Dyer and Goodrum)	Beyond Sustainability: The Contractor's Role in Regenerative System Design (Mirsky and Songer)	Planning Post-Disaster Reconstruction Efforts of Damaged Transportation Networks (Orabi, El-Rayes, Senouci, and Al-Derham)	Effects of the Regulatory Environment on Construction Project Delivery Method Selection (Riecke Smith, Castro-Lacouture, and Oberle)	Key Attributes of a Longitudinal Study of Green Project Delivery (Korkmaz, Horman, and Riley)
		Interactive Visual Construction Progress Monitoring with D4 AR-4D Augmented Reality-Models (Golparvar-Fard, Savarese, and Pena-Mora)	Measuring Construction Productivity Using the Write System (Kim, Bai, Huan and Peddi)	Acquiring Local Knowledge for International Projects (Javernick-Will and Levitt)	Extracting Surveying Goals from Point Clouds to Support Construction and Infrastructure Inspection (Tang and Akinci)	Development of a Fuzzy Expert System for Surety Underwriting (Marsh and Robinson Fayek)	Performance Testing of an Integrated Solar Collector System (Hassan and Beliveau)
		Automated Data Acquisition System to Assess Construction Worker Performance (Weerasinghe and Ruwanpura)	Construction Student Technology Skill Assessment: A Survey Instrument (Nguyen, O'Brien, and Schmidt)	Investigation and Modeling of Critical Success Factors in Construction Organizations (Elwakil, Ammar, Zayed, Mahmoud, Eweda, and Mashhour)	Infrastructure Risk Management in Renewable Energy Projects using Risk Flexibility Theory (Chiara)	Analysis of Design-Build Procurement Activities Durations for Highway Projects (Migliaccio and Shrestha)	Quantification of Carbon Footprint on Underground Utility Projects (Sihabuddin and Ariaratnam)
	10:00 AM to 10:15 AM	BREAK					
		Session MON 2A <i>Technologies to Improve Project Planning, Design & Construction</i>	Session MON 2B <i>Project Risks and Safety</i>	Session MON 2C <i>Project Planning and Control</i>	Session MON 2D <i>Project/Process Integration and Improvement</i>	Session MON 2E <i>Quantitative Methods</i>	Session MON 2F <i>Education</i>
		Mohamed Al-Hussein University of Alberta	Tariq Abdelhamid Michigan State University	Eddy Rojas University of Washington	Janaka Ruwanpura University of Calgary	Gunnar Lucko Catholic University	Christine Fiori Virginia Tech University
	10:15 AM TO 11:15 AM	Virtual Construction Automation for Modular Assembly Operations (Olearczyk, Al-Hussein, Bouferguene, and Telyas)	The Validity of Data Dependent System Modelling to Predict Relative Physiological Workload During Construction Work (Abdelhamid, Xi, and Everett)	Developing Effective Visual Representations to Monitor Project Performance (Lee and Rojas)	Visualization Configuration Model for Integrating Presentation of Construction Project Management Data (Ye and Froese)	A Framework for Integrating Elicit GA and Project Management Tool (Kim and Ellis Jr.)	Development of a Construction Engineering Laboratory Course and Facility (Johnston)
		Identification of Data Items Needed for Automatic Clash Detection in MEP Design Coordination (Leite, Akinci, and Garrett Jr.)	Applying Insurance Pricing Theory for Pricing ADR as an Insurance Product (Song, Pena-Mora, and Conger)	Modeling the Effect of an Alternative Review Process: Case Study of a State Permitting Agency (Feng, Tommelein, and Ballard)	Stakeholder View on IT in Construction: A North American Perspective (Hewage, Ruwanpura, and Jergeas)	Creating Value in Housing Projects: The Use of Post-Occupancy Analysis to Develop New Projects (Alves, Costa, and Barros Neto)	Experience: Creating a Win-Win for Students, Industry and Faculty (Fiori and Pearce)
		Early Design Energy Analysis using Building Information Models (BIM) (Stumpf, Kim, and Jenicek)	Catastrophe Risk Management for Private-Public Partnership (PPP) Infrastructure Projects (Qian, Kong, and Tiong)	Global Optimization of Dynamic Site Layout Planning in Construction Projects (El-Rayes and Said)	Rules and Guidelines for Improving the Mechanical, Electrical, and Plumbing Coordination Process for Buildings (Korman)	Preparation of Incongruous Economic Datasets for Regression Analysis (Lucko and Mitchell)	Engagement of Industry in Best Practices Research (Gibson and Whittington)
	11:15 AM to 11:30 AM	BREAK					
		Session MON 3A <i>Technologies to Improve Project Planning, Design & Construction</i>	Session MON 3B <i>Lean Construction</i>	Session MON 3C <i>Project Planning and Control</i>	Session MON 3D <i>Underground Construction</i>	Session MON 3E <i>Education</i>	Session MON 3F <i>Sustainable Construction and Facilities</i>
		Sheryl Staub-French University of British Columbia	Iris Tommelein University of California - Berkeley	Giovanni Migliaccio University of New Mexico	Vineet Kamat University of Michigan	James Pocock U.S. Airforce Academy	John Schaufelberger University of Washington
11:30 AM TO 12:30 PM	Querying IFC-Based Building Information Models to Support Construction Management Functions (Nepal, Zhang, Webster, Staub-French, Pottinger, and Lawrence)	Overcoming the Hurdle of First Cost: Action Research in Target Costing (Ballard and Rybkowski)	Assessment of Methods for Adjusting Construction Cost Estimates by Geographical Location (Migliaccio, Zandbergen, and Martinez)	Interactive Augmented Reality Visualization for Improved Damage Prevention and Maintenance of Underground Infrastructure (Behzadan and Kamat)	Assessing Traits for Success in Individual and Team Performance in an Engineering Course (Leicht, Lewis, Riley, Messner, and Darnell)	Incentives for Green Residential Construction (Sauer and Siddiq)	
	3D Work Environment Modeling for the Intelligent Excavation System (IES) (Chae, Lee, Park, Kim, and Cho)	Structural Design Iteration: The Application of DSM to Seismic Retrofit (Tuhtolski and Tommelein)	Time Prediction for Highway Pavement Projects using Regression Analysis (Abdel Aziz)	Risk Allocation in Standard Forms of General Conditions for Tunneling Contracts (Likhitrungsilip and Ioannou)	One Approach to Incorporating Sustainable Design into Undergraduate Engineering Programs (Pocock, Mitchell, and Bates)	Improving Energy Efficiency in Building Through Automated Computer Design Process (Charalambides)	
	Advanced Quality Control Methods for Road Paving Construction by Utilizing Sensory Devices (Cho, Bode, and Kim)	From Lean to Green Construction: A Natural Extension (Nahmens)	Development of People-Based Maps Experience Management System for Construction Projects (Lin)	Trenchless in Anchorage - Case Studies (Ramos and Gastrock)	Construction Education in Second Life (Ku and Gaikwat)	LEED Certification: A Constructor's Perspective (Schaufelberger and Cloud)	
12:30 PM TO 2:00 PM	LUNCH AND PRESENTATION (Sponsored by Keiwi Construction)						
1:30 PM TO 5:00 PM	OPTIONAL TOUR OF PACIFIC NORTHWEST CENTER FOR CONSTRUCTION RESEARCH AND EDUCATION						
5:00 PM TO 7:00 PM	CONSTRUCTION RESEARCH COUNCIL (CRC) MEETING						